## SPECIFICATION AMENDMENTS

Please replace the paragraph beginning on page 30, line 8 with the following:

Figure 13 shows an example of a multi-layer electronic device in accordance with one embodiment of the present invention. Figure 13 shows first conductive component 35 comprising a first contact surface 36; a monolayer 37 of a first plurality of substantially parallel first molecular units having first and second ends, each of the parallel first molecular units of substantially the same length and attached through its first end to the first contact surface 36 through a conjugated bond; a second conductive component 38 having first and second sides 39 and 40, respectively. The first side 39 in electrical contact with the second ends of the parallel first molecular units, and the second side 40 having a second contact surface; a monolayer 41 of a second plurality of substantially parallel second molecular units having first and second ends, each of the parallel second molecular units attached through their first end to the second contact surface of the second side 40 through a conjugated bond; and a third conductive component 42 having first and second sides 43 and 44, respectively. The first side 43 is in electrical contact with the second ends of the parallel second molecular units. Figure 13 also shows that the monolayers 37 and 41 may become part of respective electrical circuits 45 and 46. Alternatively, multiple monolayer constructions of the present invention may be linked in a series to achieve accordingly different results in an electronic junction (i.e., taking advantage of the additive effects of each of a series of similar or dissimilar chemical monolayers).